

# Coated and Laminated Packaging Paper and Plastics Film Manufacturing: 2002

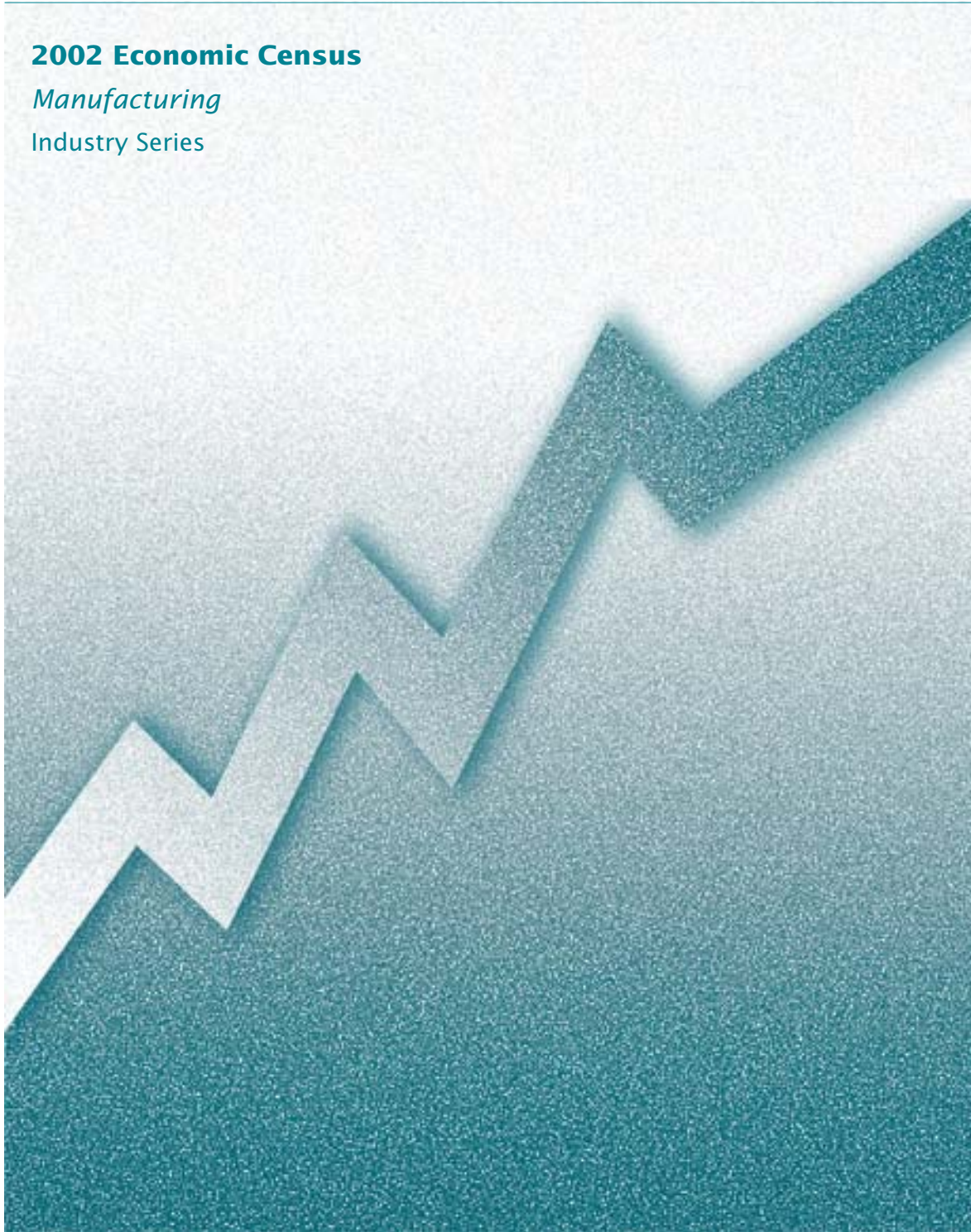
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## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
U.S. CENSUS BUREAU



## CONTENTS

|   |    |
|---|----|
| Introduction to the Economic Census ..... | v  |
| Manufacturing .....                       | ix |

### Tables

|   |   |
|---|---|
| 1. Historical Statistics for the Industry: 2002 and Earlier Years ...         | 1 |
| 2. Industry Statistics for Selected States: 2002 .....                        | 2 |
| 3. Detailed Statistics by Industry: 2002 .....                                | 3 |
| 4. Industry Statistics by Employment Size: 2002.....                          | 4 |
| 5. Industry Statistics by Primary Product Class Specialization:<br>2002 ..... | 5 |
| 6a. Products Statistics: 2002 and 1997 .....                                  | 6 |
| 6b. Product Class Shipments for Selected States: 2002 and 1997 .              | 7 |
| 7. Materials Consumed by Kind: 2002 and 1997.....                             | 8 |

### Appendixes

|  |     |
|--|-----|
| A. Explanation of Terms .....  | A-1 |
| B. NAICS Codes, Titles, and Descriptions .....                               | B-1 |
| C. Methodology .....   | C-1 |
| D. Geographic Notes .....  | --  |
| E. Metropolitan and Micropolitan Statistical Areas .....                     | --  |
| F. Comparability of Product Classes and Product Codes: 2002 to<br>1997 ..... | F-1 |

-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry and year <sup>1</sup>  | Com-<br>panies <sup>2</sup> | All<br>estab-<br>lish-<br>ments <sup>3</sup> | All employees       |                      | Production workers  |                  |                    | Value<br>added<br>(\$1,000) | Total<br>cost of<br>materials<br>(\$1,000) | Total<br>value of<br>shipments<br>(\$1,000) | Total capital<br>expendi-<br>tures<br>(\$1,000) |         |
|---|-----------------------------|--|---------------------|----------------------|---------------------|------------------|--------------------|-----------------------------|--|---|---|---------|
|   |                             |  | Number <sup>4</sup> | Payroll<br>(\$1,000) | Number <sup>4</sup> | Hours<br>(1,000) | Wages<br>(\$1,000) |                             |  |   |   |         |
| 322221, Coated and laminated packaging<br>paper and plastics film manufacturing . . . . | 2002..                      | 108  | 116                 | 4 492                | 173 688             | 3 420            | 7 228              | 115 095                     | 453 073                                    | 734 537                                     | 1 196 936                                       | 130 800 |
|   | 2001..                      | N  | N                   | 5 545                | 208 625             | 4 394            | 9 177              | 139 346                     | 553 175                                    | 954 472                                     | 1 512 300                                       | 31 993  |
|   | 2000..                      | N  | N                   | 5 897                | 213 049             | 4 680            | 10 103             | 141 586                     | 577 137                                    | 1 000 711                                   | 1 579 518                                       | 30 893  |
|   | 1999..                      | N  | N                   | 5 864                | 205 744             | 4 664            | 9 879              | 138 683                     | 571 934                                    | 1 018 260                                   | 1 590 998                                       | 29 104  |
|   | 1998..                      | N  | N                   | 4 974                | 175 342             | 3 812            | 7 688              | 113 858                     | 545 060                                    | 903 880                                     | 1 448 953                                       | 33 955  |
|   | 1997..                      | 73   | 85                  | 5 385                | 183 786             | 4 171            | 9 112              | 123 403                     | 541 684                                    | 956 326                                     | 1 491 170                                       | 46 285  |

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| Industry and geographic area   | E <sup>1</sup> | All establishments <sup>2</sup> |                           | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|--|----------------|---------------------------------|---------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|  |                | Total                           | With 20 employees or more | Number <sup>3</sup> | Payroll (\$1,000) | Number <sup>3</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| 322221, Coated and laminated packaging paper and plastics film manufacturing |                |                                 |                           |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| United States .....  | 1              | 116                             | 52                        | 4 492               | 173 688           | 3 420               | 7 228         | 115 095         | 453 073               | 734 537                           | 1 196 936                          | '30 800                              |
| California .....   | 2              | 13                              | 5                         | 330                 | 11 460            | 258                 | 566           | 8 790           | 32 373                | 75 922                            | 108 558                            | '2 555                               |
| Illinois .....   | —              | 8                               | 5                         | 425                 | 17 472            | 301                 | 591           | 10 013          | 38 373                | 38 896                            | 76 299                             | '1 500                               |
| Michigan .....   | —              | 5                               | 2                         | 322                 | 10 472            | 245                 | 505           | 5 879           | 34 899                | 46 164                            | 80 150                             | '1 400                               |
| Ohio .....   | —              | 8                               | 3                         | 223                 | 9 410             | 165                 | 385           | 6 302           | 22 241                | 39 649                            | 63 281                             | '1 340                               |
| Pennsylvania .....   | 1              | 5                               | 3                         | 129                 | 4 408             | 108                 | 217           | 3 247           | 1 198                 | 14 541                            | 22 855                             | '196                                 |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Item   | Value               |
|--|---------------------|
| <b>322221, Coated and laminated packaging paper and plastics film manufacturing</b>        |                     |
| Companies <sup>1</sup> .....   | number.. 108        |
| All establishments <sup>2</sup> .....  | number.. 116        |
| Establishments with 1 to 19 employees .....  | number.. 64         |
| Establishments with 20 to 99 employees .....   | number.. 39         |
| Establishments with 100 employees or more .....  | number.. 13         |
| All employees <sup>3</sup> .....   | number.. 4 492      |
| Total compensation .....   | \$1,000.. 219 554   |
| Annual payroll .....   | \$1,000.. 173 688   |
| Total fringe benefits .....  | \$1,000.. 45 866    |
| Production workers, average for year .....   | number.. 3 420      |
| Production workers on March 12 .....   | number.. 3 432      |
| Production workers on May 12 .....   | number.. 3 483      |
| Production workers on August 12 .....  | number.. 3 380      |
| Production workers on November 12 .....  | number.. 3 378      |
| Production worker hours .....  | 1,000.. 7 228       |
| Production worker wages .....  | \$1,000.. 115 095   |
| Total cost of materials .....  | \$1,000.. 734 537   |
| Materials, parts, containers, packaging, etc., used .....                                  | \$1,000.. 688 991   |
| Resales .....  | \$1,000.. 22 376    |
| Purchased fuels .....  | \$1,000.. 6 801     |
| Purchased electricity .....  | \$1,000.. 12 827    |
| Contract work .....  | \$1,000.. 3 542     |
| Quantity of electricity purchased for heat and power .....                                 | 1,000 kWh.. 222 067 |
| Quantity of electricity generated less sold for heat and power .....                       | 1,000 kWh.. -       |
| Total value of shipments .....   | \$1,000.. 1 196 936 |
| Primary products value of shipments .....  | \$1,000.. 982 240   |
| Secondary products value of shipments .....  | \$1,000.. 182 999   |
| Total miscellaneous receipts .....   | \$1,000.. 31 697    |
| Value of resales .....   | \$1,000.. 28 711    |
| Contract receipts .....  | \$1,000.. D         |
| Other miscellaneous receipts .....   | \$1,000.. D         |
| Primary products specialization ratio .....  | percent.. 84        |
| Value of primary products shipments made in all industries .....                           | \$1,000.. 1 271 873 |
| Value of primary products shipments made in this industry .....                            | \$1,000.. 982 240   |
| Value of primary products shipments made in other industries .....                         | \$1,000.. 289 633   |
| Coverage ratio .....   | percent.. 77        |
| Value added .....  | \$1,000.. 453 073   |
| Total inventories, beginning of year .....   | \$1,000.. 178 011   |
| Finished goods inventories .....   | \$1,000.. 82 403    |
| Work-in-process inventories .....  | \$1,000.. 19 023    |
| Materials and supplies inventories .....   | \$1,000.. 76 585    |
| Total inventories, end of year .....   | \$1,000.. 153 203   |
| Finished goods inventories .....   | \$1,000.. 74 386    |
| Work-in-process inventories .....  | \$1,000.. 17 714    |
| Materials and supplies inventories .....   | \$1,000.. 61 103    |
| Gross value of depreciable assets (acquisition costs) at beginning of year .....           | \$1,000.. '458 906  |
| Total capital expenditures (new and used) .....  | \$1,000.. '30 800   |
| Buildings and other structures (new and used) .....  | \$1,000.. '4 315    |
| Machinery and equipment (new and used) .....   | \$1,000.. '26 485   |
| Automobiles, trucks, etc., for highway use .....   | \$1,000.. '564      |
| Computers and peripheral data processing equipment .....                                   | \$1,000.. '1 925    |
| All other expenditures for machinery and equipment .....                                   | \$1,000.. '23 996   |
| Total retirements .....  | \$1,000.. '13 432   |
| Gross value of depreciable assets at end of year .....                                     | \$1,000.. '476 274  |
| Depreciation charges during year .....   | \$1,000.. '29 712   |
| Total rental payments .....  | \$1,000.. 13 516    |
| Buildings and other structures .....   | \$1,000.. 9 006     |
| Machinery and equipment .....  | \$1,000.. 4 510     |
| Total other expenses <sup>4</sup> .....  | \$1,000.. 100 183   |
| Response coverage ratio <sup>5</sup> .....   | percent.. 85        |
| Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....           | \$1,000.. 16 237    |
| Communications services <sup>4</sup> .....   | \$1,000.. 2 111     |
| Legal services <sup>4</sup> .....  | \$1,000.. 976       |
| Accounting, auditing, and bookkeeping services <sup>4</sup> .....                          | \$1,000.. 938       |
| Advertising and promotional services <sup>4</sup> .....                                    | \$1,000.. 628       |
| Expensed computer hardware and supplies and purchased computer services <sup>4</sup> ..... | \$1,000.. 1 845     |
| Refuse removal (including hazardous waste) services <sup>4</sup> .....                     | \$1,000.. 2 216     |
| Management consulting and administrative services <sup>4</sup> .....                       | \$1,000.. 644       |
| Taxes and license fees <sup>4</sup> .....  | \$1,000.. 3 193     |
| All other expenses <sup>4</sup> .....  | \$1,000.. 71 395    |

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on 2002 Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Employment size class  | E <sup>1</sup> | All establishments <sup>2</sup> | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|--|----------------|---------------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|  |                |                                 | Number <sup>3</sup> | Payroll (\$1,000) | Number <sup>3</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| 322221, Coated and laminated packaging paper and plastics film manufacturing |                |                                 |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| All establishments .....   | 1              | 116                             | 4 492               | 173 688           | 3 420               | 7 228         | 115 095         | 453 073               | 734 537                           | 1 196 936                          | '30 800                              |
| Establishments with—   |                |                                 |                     |                   |                     |               |                 |                       |                                   |                                    |                                      |
| 1 to 4 employees .....   | 9              | 29                              | b                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 5 to 9 employees .....   | 5              | 21                              | 152                 | 5 970             | 113                 | 234           | 3 837           | 15 294                | 25 454                            | 41 654                             | '537                                 |
| 10 to 19 employees .....   | 4              | 14                              | 195                 | 6 742             | 148                 | 286           | 4 566           | 16 448                | 23 171                            | 38 814                             | '1 284                               |
| 20 to 49 employees .....   | 2              | 23                              | 798                 | 29 111            | 591                 | 1 167         | 17 570          | 67 143                | 111 311                           | 180 528                            | '3 489                               |
| 50 to 99 employees .....   | 1              | 16                              | 1 184               | 45 602            | 909                 | 1 987         | 32 897          | 120 420               | 227 703                           | 359 356                            | '17 427                              |
| 100 to 249 employees .....   | —              | 12                              | 1 837               | 76 151            | 1 411               | 3 055         | 50 104          | 201 317               | 300 717                           | 499 009                            | '6 549                               |
| 250 to 499 employees .....   | —              | 1                               | e                   | D                 | D                   | D             | D               | D                     | D                                 | D                                  | D                                    |
| 500 to 999 employees .....   | —              | —                               | —                   | —                 | —                   | —             | —               | —                     | —                                 | —                                  | —                                    |
| 1,000 to 2,499 employees .....   | —              | —                               | —                   | —                 | —                   | —             | —               | —                     | —                                 | —                                  | —                                    |
| 2,500 employees or more .....  | —              | —                               | —                   | —                 | —                   | —             | —               | —                     | —                                 | —                                  | —                                    |
| Administrative records <sup>4</sup> .....                                    | 9              | 40                              | 181                 | 7 110             | 145                 | 308           | 5 224           | 19 149                | 34 636                            | 53 783                             | '1 150                               |

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry or product class code | Industry or primary product class  | All establishments <sup>1</sup> | All employees       |                   | Production workers  |               |                 | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expenditures (\$1,000) |
|--------------------------------|--|---------------------------------|---------------------|-------------------|---------------------|---------------|-----------------|-----------------------|-----------------------------------|------------------------------------|--------------------------------------|
|                                |  |                                 | Number <sup>2</sup> | Payroll (\$1,000) | Number <sup>2</sup> | Hours (1,000) | Wages (\$1,000) |                       |                                   |                                    |                                      |
| 322221                         | Coated and laminated packaging paper and plastics film manufacturing .....             | 116                             | 4 492               | 173 688           | 3 420               | 7 228         | 115 095         | 453 073               | 734 537                           | 1 196 936                          | '30 800                              |
| 3222211                        | Single-web paper, rolls and sheets, including waxed, for flexible packaging uses ..... | 30                              | 2 377               | 97 175            | 1 754               | 3 783         | 61 453          | 246 240               | 404 597                           | 653 936                            | '20 097                              |
| 3222213                        | Multiweb laminated rolls and sheets, except foil, for flexible packaging uses .....    | 21                              | 1 397               | 51 150            | 1 108               | 2 322         | 36 117          | 162 717               | 246 345                           | 407 675                            | '8 230                               |

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Product code | Product   | Number of companies with shipments of \$100,000 or more | Quantity of production for all purposes | Product shipments |                 |
|--------------|---|---|---|-------------------|-----------------|
|              |   |   |   | Quantity          | Value (\$1,000) |
| 322221       | Coated and laminated packaging paper and plastics film manufacturing . . . . .2002..  | N   | X                                       | X                 | 1 271 873       |
|              | . . . . .1997..   | N   | X                                       | X                 | 1 473 582       |
| 3222211      | Single-web paper, rolls and sheets, including waxed, for flexible packaging uses . . . . .2002..  | N   | X                                       | X                 | 765 954         |
|              | . . . . .1997..   | N   | X                                       | X                 | 981 949         |
| 32222111     | Single-web paper, rolls and sheets, including waxed, for flexible packaging uses . . . . .2002..  | N   | X                                       | X                 | 729 500         |
|              | . . . . .1997..   | N   | X                                       | X                 | 968 073         |
| 3222211111   | Plastics-coated single-web paper, rolls and sheets, for flexible packaging uses . . . . .1,000 s tons..2002..                               | 29  | X                                       | P113.2            | 230 166         |
|              | . . . . .1997..   | 32  | X                                       | P193.3            | 373 263         |
| 3222211121   | Single-web paper (other than plastics-coated), rolls and sheets, including waxed, for flexible packaging uses . . . . .1,000 s tons..2002.. | 40  | X                                       | Q232.0            | 499 334         |
|              | . . . . .1997..   | 41  | X                                       | P231.7            | 594 810         |
| 3222211Y     | Single-web paper, rolls and sheets, including waxed, for flexible packaging uses, nsk . . . . .2002..                                       | N   | X                                       | X                 | 36 454          |
|              | . . . . .1997..   | N   | X                                       | X                 | 13 876          |
| 3222211YV    | Single-web paper, rolls and sheets, including waxed, for flexible packaging uses, nsk . . . . .2002..                                       | N   | X                                       | X                 | 36 454          |
|              | . . . . .1997..   | N   | X                                       | X                 | 13 876          |
| 3222213      | Multiweb laminated rolls and sheets, except foil, for flexible packaging uses . . . . .2002..   | N   | X                                       | X                 | 379 981         |
|              | . . . . .1997..   | N   | X                                       | X                 | 461 466         |
| 32222131     | Paper/paper multiweb laminated rolls and sheets, for flexible packaging uses . . . . .2002..  | N   | X                                       | X                 | 231 588         |
|              | . . . . .1997..   | N   | X                                       | X                 | 267 623         |
| 3222213111   | Paper/paper multiweb laminated rolls and sheets, for flexible packaging uses . . . . .1,000 s tons..2002..                                  | 22  | X                                       | S                 | 231 588         |
|              | . . . . .1997..   | 18  | X                                       | Q160.3            | 267 623         |
| 32222132     | Film/paper multiweb laminated rolls and sheets, for flexible packaging uses . . . . .2002..   | N   | X                                       | X                 | 108 163         |
|              | . . . . .1997..   | N   | X                                       | X                 | 155 937         |
| 3222213221   | Film/paper multiweb laminated rolls and sheets, for flexible packaging uses . . . . .1,000 s tons..2002..                                   | 20  | X                                       | 22.1              | 108 163         |
|              | . . . . .1997..   | 16  | X                                       | P37.3             | 155 937         |
| 3222213Y     | Multiweb laminated rolls and sheets, except foil, for flexible packaging uses, nsk . . . . .2002..  | N   | X                                       | X                 | 40 230          |
|              | . . . . .1997..   | N   | X                                       | X                 | 37 906          |
| 3222213YV    | Multiweb laminated rolls and sheets, except foil, for flexible packaging uses, nsk . . . . .2002..  | N   | X                                       | X                 | 40 230          |
|              | . . . . .1997..   | N   | X                                       | X                 | 37 906          |
| 322221W      | Coated and laminated packaging paper and plastics film manufacturing, nsk, total . . . . .2002..  | N   | X                                       | X                 | 125 938         |
|              | . . . . .1997..   | N   | X                                       | X                 | 30 167          |
| 322221WY     | Coated and laminated packaging paper and plastics film manufacturing, nsk, total . . . . .2002..  | N   | X                                       | X                 | 125 938         |
|              | . . . . .1997..   | N   | X                                       | X                 | 30 167          |
| 322221WYV    | Coated and laminated packaging paper and plastics film manufacturing, nsk, for nonadministrative-record establishments . . . . .2002..      | N   | X                                       | X                 | 57 203          |
|              | . . . . .1997..   | N   | X                                       | X                 | 3 874           |
| 322221WYVY   | Coated and laminated packaging paper and plastics film manufacturing, nsk, for administrative-record establishments . . . . .2002..         | N   | X                                       | X                 | 68 735          |
|              | . . . . .1997..   | N   | X                                       | X                 | 26 293          |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.



**Table 6b. Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| NAICS product class code | Product class and geographic area  | Value of product shipments (\$1,000) |
|--------------------------|--|--------------------------------------|
| 3222211                  | Single-web paper, rolls and sheets, including waxed, for flexible packaging uses |                                      |
|                          | United States..... 2002..  | 765 954                              |
|                          | ..... 1997..   | 981 949                              |
|                          | California ..... 2002..  | 70 179                               |
|                          | ..... 1997..   | 21 231                               |
|                          | Illinois ..... 2002..  | 34 085                               |
|                          | ..... 1997..   | 31 247                               |
|                          | Michigan..... 2002..   | 48 309                               |
|                          | ..... 1997..   | 82 863                               |
|                          | Ohio ..... 2002..  | 46 222                               |
|                          | ..... 1997..   | 34 796                               |
| 3222213                  | Multiweb laminated rolls and sheets, except foil, for flexible packaging uses    |                                      |
|                          | United States..... 2002..  | 379 981                              |
|                          | ..... 1997..   | 461 466                              |
|                          | Illinois ..... 2002..  | 38 435                               |
|                          | ..... 1997..   | 30 736                               |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Material code | Material consumed  | Quantity     | Delivered cost (\$1,000) |
|---------------|--|--------------|--------------------------|
| 322221        | Coated and laminated packaging paper and plastics film manufacturing                   |              |                          |
| 0090001       | Total materials .....  | 2002.. X     | 688 991                  |
|               |  | 1997.. X     | 900 599                  |
| 32212007      | Paper .....  | 2002.. 477.2 | 409 713                  |
|               |  | 1997.. 533.6 | 511 054                  |
| 32521105      | Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. .... | 2002.. X     | 44 992                   |
|               |  | 1997.. X     | 76 944                   |
| 32611201      | Polyethylene unsupported plastic packaging film in roll form .....                     | 2002.. X     | 10 123                   |
|               |  | 1997.. X     | N                        |
| 32611203      | Polypropylene unsupported plastics packaging film in roll form .....                   | 2002.. X     | 12 941                   |
|               |  | 1997.. X     | N                        |
| 00190062      | Polyester unsupported plastics packaging film (coated and uncoated) in roll form ..... | 2002.. X     | 2 630                    |
|               |  | 1997.. X     | N                        |
| 32612205      | Nylon unsupported plastics packaging film in roll form .....                           | 2002.. X     | D                        |
|               |  | 1997.. X     | N                        |
| 00190063      | Other unsupported plastics packaging film in roll form (including cellophane) .....    | 2002.. X     | D                        |
|               |  | 1997.. X     | N                        |
| 33131509      | Aluminum foil, plain .....   | 2002.. P13.6 | 22 369                   |
|               |  | 1997.. 23.7  | 42 849                   |
| 32552003      | Glues and adhesives .....  | 2002.. S     | 14 448                   |
|               |  | 1997.. N     | 10 785                   |
| 32591002      | Printing inks .....  | 2002.. X     | 21 106                   |
|               |  | 1997.. X     | N                        |
| 32221001      | Paperboard containers, boxes, and corrugated paperboard .....                          | 2002.. X     | 13 973                   |
|               |  | 1997.. X     | 10 636                   |
| 00970099      | All other materials and components, parts, containers, and supplies .....              | 2002.. X     | 80 193                   |
|               |  | 1997.. X     | 197 672                  |
| 00971000      | Materials, ingredients, containers, and supplies, nsk .....                            | 2002.. X     | 45 646                   |
|               |  | 1997.. X     | 50 659                   |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.